weDive User Manual

Preface

Thank you for purchasing the **weDive** application. This is the first release of an application that is planned to grow in the future.
Please give us feedback and help us make this a great application.

weDive is an intuitive iPad/iPhone tool for dive planning and bail out gas requirements.

Key Features:

• Intuitive iPad/iPhone tool for dive planning and bail out gas requirements • Plan your bottom time with drag and drop feature
• Interchange between CC/OC to see CCR Dive Plan and OC Bailout Plan • Save and email your plans
• Uses the same decompression algorithm as MKVI

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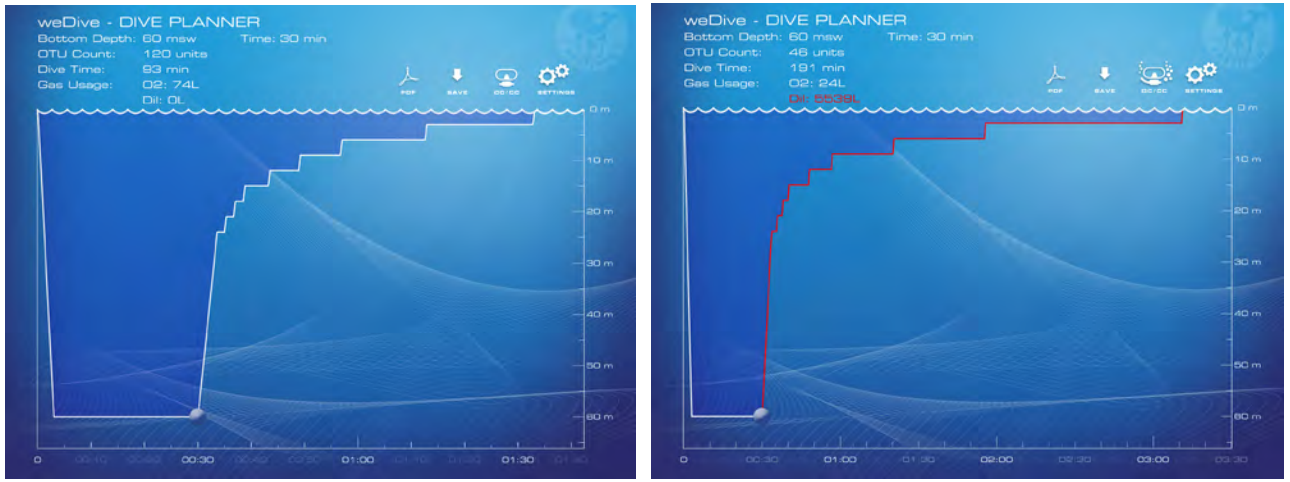
Landscape view

The landscape view is the same in both iPad and iPhone version.

CC plan on the left is calculating the O_2 consumption during the whole dive using the same deco algorithm used in the MKVI rebreather. Diluent ”DIL” calculation is hard to calculate in CC mode due to the fact that we do not now how much gas the diver is wasting during the dive, or the west is inflated, or if a dry-suite is used.

OC plan on the right indicates the OC calculation part with a red line. The oxygen (O_2) is calculating on decent and on bottom time to the marker point. The DIL is calculated from the marker point up to the surface. If the diluent is exceeding the standard tank used on the MKVI unit, it will turn red to indicate this.

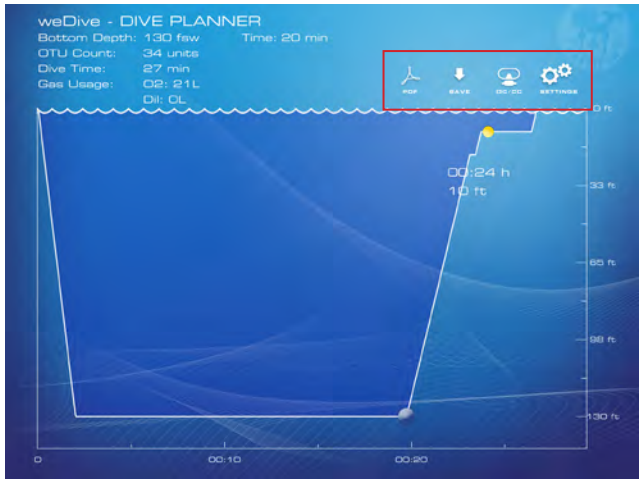


Landscape view to show CC or OC planning.

Red square points out the button are, to click on the issue command like:

- Save PDF file and email
- Save current dive in the saved dive list
- CC/OC switch, to recalculate the dive plan
- Settings list

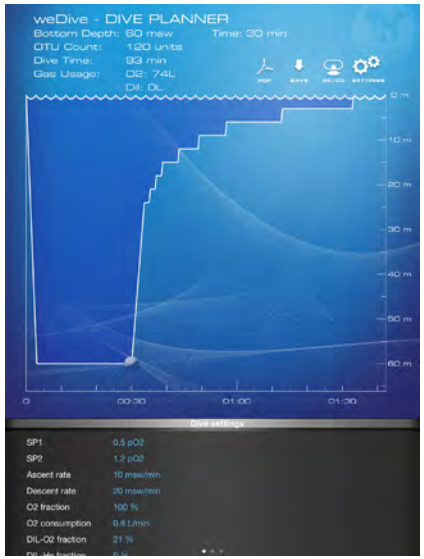
To change depth and time, hold finger on the blue marker point and start to drag, left-right for time and up-down for depth.

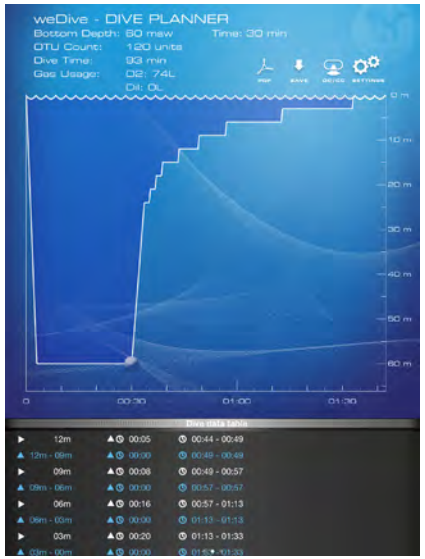


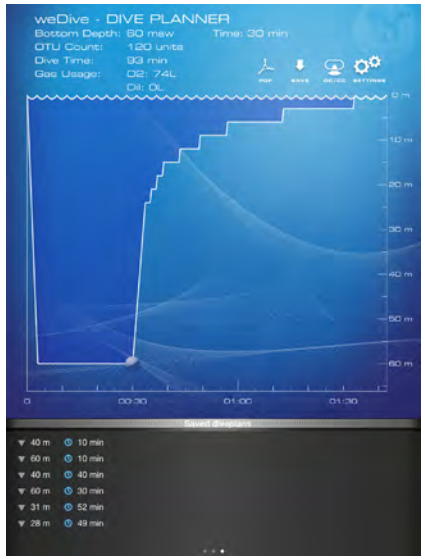
Yellow information point appears if pointing at any location. The information is depth and time at the yellow marker point.

Portrait view

The portrait view differs in iPad and iPhone. Due to limiting display the graph part is not visible but only the header part and the bottom part. Otherwise everything works the same.




weDive - DIVE PLANNER
Bottom Depth: 60 msw
Time: 30 min
OTU Count: 120 units
Dive Time: 93 min
Gas Usage: O2: 74L
Dil: 0L
Dive data table
12m 00:05 00:44 - 00:49
09m 00:08 00:49 - 00:57
06m 00:16 00:57 - 01:13
03m 00:20 01:13 - 01:33



Pictures of the portrait layout on the iPad with scrollable bottom part. The bottom part will show settings, dive data table, and saved dives. Slide on the header of the bottom part to switch view.

Settings

The settings are used to reflect the settings used in the MKVI unit.

- SP1 is the set point at surface. Default 0.5 ppO_2.
- SP2 is the set point at depth. Default 1.2 ppO_2.
- Ascent rate is the speed a diver is ascending to surface. Default 9 meter/minute.
- Descent rate is the speed a diver is descending to the depth. Default 18 meter/minute.
- O_2 fraction is the oxygen fraction in the O_2 tank, to reflect the pureness of the oxygen. Default 99%.
- O2 consumption is the gas usage in normal CC dive. Default 0.8 liter/minute.
- DIL-O_2 fraction is the fraction of oxygen in the diluent tank. Default 21%.
- DIL-He fraction is the fraction of helium in the diluent tank. Default 0%.
- OC margin is the margin of open-circuit bailout gas used in the gas calculation together with RMV value. Default 1.0 gain.
- RMV is the respiratory minute volume used in bailout calculations. Default 30 liter/minute.
- Unit is the metric or imperial units used in the list and view.